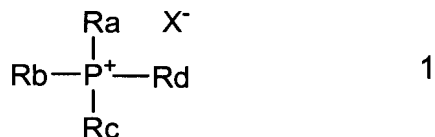


IN THE CLAIMS

Please amend the claims as follows:

Claims 1-34 (Canceled).

Claim 35 (Previously Presented): An ink for ink jet recording used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained:



wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 36 (Previously Presented): The ink for ink jet recording according to claim 35, wherein pH of the ink is within a range of 7 to 10.

Claim 37 (Previously Presented): The ink for ink jet recording according to claim 35, used for an ink jet printer in which at least a portion of a liquid chamber member is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film.

Claim 38 (Previously Presented): The ink for ink jet recording according to claim 35, used for an ink jet printer in which at least a portion of the member of a fluid resistance part is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film.

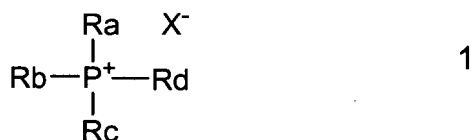
Claim 39 (Previously Presented): The ink for ink jet recording according to claim 35, used for an ink jet printer in which at least a portion of the member of a vibration plate is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film.

Claim 40 (Previously Presented): The ink for ink jet recording according to claim 35, used for an ink jet printer in which at least a portion of the member of a nozzle is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film.

Claims 41-79 (Canceled).

Claim 80 (Withdrawn): An ink jet recording method carrying out recording using an ink jet printer in which at least a portion of a liquid chamber member is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, and the ink for ink jet recording used for an ink jet printer in

which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained



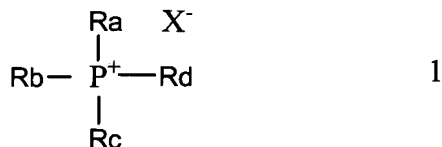
wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 81 (Withdrawn): An ink jet recording method according to claim 80, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 82-99 (Canceled).

Claim 100 (Withdrawn): An ink jet recording method carrying out recording using an ink jet printer in which at least a portion of the member of a fluid resistance part is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, and the ink for ink jet recording used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a

borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained



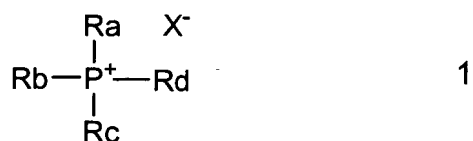
wherein Ra, Rb, Rc and Rd represent a linear, branched or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 101 (Withdrawn): An ink jet recording method according to claim 100, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 102-119 (Canceled).

Claim 120 (Withdrawn): An ink jet recording method carrying out recording using an ink jet printer in which at least a portion of the member of a vibration plate is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, and the ink for ink jet recording used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon,

a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained



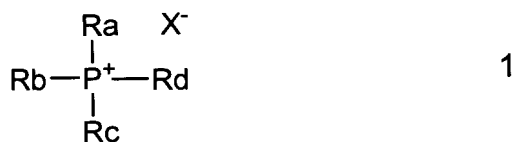
wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 121 (Withdrawn): An ink jet recording method according to claim 120, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 122-139 (Canceled).

Claim 140 (Withdrawn): An ink jet recording method carrying out recording using an ink jet printer in which at least a portion of the member of a nozzle is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, and the ink for ink jet recording used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a

silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained

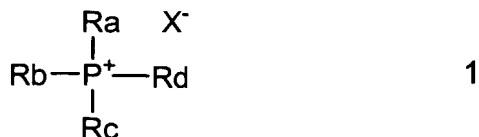


wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 141 (Withdrawn): An ink jet recording method according to claim 140, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claim 142-170 (Canceled).

Claim 171 (Withdrawn): A recording liquid cartridge equipped with a recording liquid storing part which stores a recording liquid, wherein the recording liquid is a recording liquid used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained

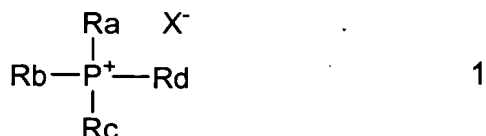


wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 172 (Withdrawn): An ink jet recording method according to claim 171, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 173-190 (Canceled).

Claim 191 (Withdrawn): A recording liquid cartridge equipped with a recording liquid storing part which stores a recording liquid, and a head part for discharging the drops of recording liquid, wherein the recording liquid is a recording liquid used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained

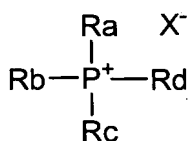


wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 192 (Withdrawn): An ink jet recording method according to claim 191, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 193-210 (Canceled).

Claim 211 (Withdrawn): An inkjet recording apparatus equipped with a recording liquid cartridge having a recording liquid storing part which stores a recording liquid, and a head part for discharging the drops of recording liquid, wherein the recording liquid is a recording liquid used for an ink jet printer in which at least a portion of a member being in contact with the ink is formed by any one of a borosilicate glass, a soda lime glass, a photosensitive glass, single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, and a silicon nitride film, wherein the total of the content of alkali metals in the ink is 700ppm or less, and 30% or more of a phosphonium ion represented by Formula 1 based on the equivalent of an anionic compound which is contained in the ink is contained



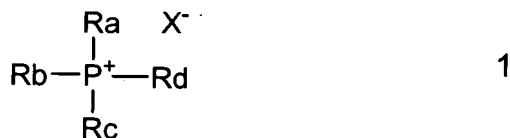
wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 212 (Withdrawn): An ink jet recording method according to claim 211, using an ink jet printer in which a groove is formed by treating the liquid chamber member, the fluid resistance part, the vibration plate or the nozzle by an etching treatment, a sandblast treatment, an excimer laser processing or drilling.

Claims 213-227 (Canceled).

Claim 228 (Previously Presented): In an ink jet recording process comprising applying an ink to a substrate with an ink jet printer wherein at least a portion of the ink jet printer is in contact with the ink and comprises at least one of a borosilicate glass, a soda lime glass, a photosensitive glass, a single crystal silicon, polysilicon, a silicon oxide film, a titanium nitride film, a zirconium film, a titanium oxide film, or a silicon nitride film, wherein the improvement comprises

applying an ink having an alkaline metal concentration of 700 ppm or less and wherein 30% or more of the anionic compounds present in the ink are one or more phosphonium ions represented by Formula 1



wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X⁻ represents a counter ion.

Claim 229 (Previously Presented): The ink jet recording process according to Claim 228, wherein X^- is a hydroxyl ion.

Claim 230 (Previously Presented): The ink jet recording process according to Claim 228, wherein the pH of the ink is from 7 to 10.

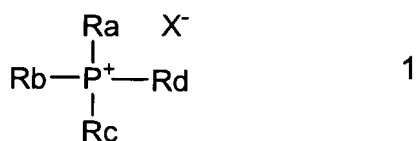
Claim 231 (Previously Presented): The ink jet recording process according to Claim 228, wherein the portion in contact with the ink is a liquid chamber.

Claim 232 (Previously Presented): The ink jet recording process according to Claim 228, wherein the portion of the ink jet printer is a fluid resistance part.

Claim 233 (Previously Presented): The ink jet recording process according to Claim 228, wherein the portion of the ink jet printer is a vibration plate.

Claim 234 (Previously Presented): The ink jet recording process according to Claim 228, wherein the portion of the ink jet printer is a nozzle.

Claim 235 (New): An ink jet recording ink comprising a corrosion inhibitor and a phosphonium ion of Formula 1



wherein Ra, Rb, Rc and Rd represent a linear, branched, or cyclic alkyl group having 1 to 4 carbon atoms, a hydroxyalkyl group, a halogenated alkyl group and a substituted or non-substituted phenyl group, and X^- represents a counter ion, and

wherein the total content of alkali metals in the ink is 700ppm or less and at least 30% of the phosphonium ion present in the ink is of Formula 1.

Claim 236 (New): The ink jet recording ink according to claim 235, wherein the pH of the ink is within a range of 7 to 10.

BASIS FOR THE AMENDMENT

Claims 35-40, 80-81, 100-101, 120-121, 140-141, 171-172, 191-192, and 211-212 are active in the present application. Claims 1-34, 41-79, 82-99, 102-119, 122-139, 142-170, 173-190, 193-210 and 213-227 have been canceled. Claims 35-40 and 235-236 are currently under active prosecution. Claims 80-81, 100-101, 120-121, 140-141, 171-172, 191-192, 211-212, and 228-234 are non-elected claims currently withdrawn from prosecution. Claims 235-236 are new claims. Support for the new claims is found in original Claims 35 and 36.